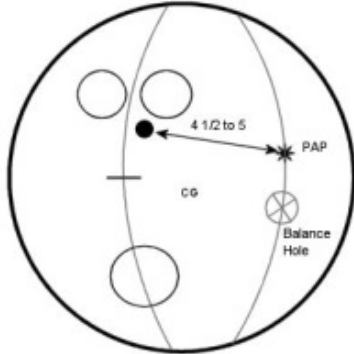


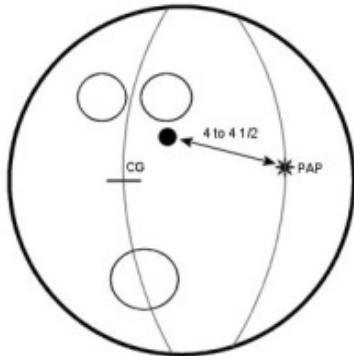
AXIS LEVERAGE (3 3/8)

- Reaction: Medium Hook and Controlled Backend.
- Lane Condition: Medium Oil with fresh backend or when the condition requires a more predictable reaction or hook.



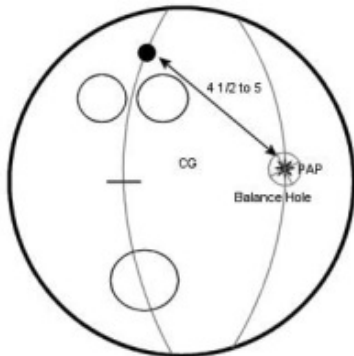
MEDIUM RG – STRONG (4 1/2 to 5)

- Reaction: Large Hook and Continuous Backend
- Lane Condition: Medium and Longer Oil – Good for bowler's with medium balls speed and medium to higher rev rates.



MEDIUM RG – ARC (4 to 4 1/2)

- Reaction: Small to Medium Hook and Arc Backend
- Lane Condition: Light to Medium Oil – Wet/Dry Conditions – Good for bowler's with slower to medium ball speed and medium to higher rev rates.



HIGH RG – STRONG (4 1/2 to 5)

(Surface Adjustment Most Likely with this Layout)

- Reaction: Medium Hook and Later Arc Backend
- Lane Condition: Light Oil and Overall Hooking Condition – Good for players with slower to medium ball speeds and all rev rates.

Hole Pounder Pearl **Suggested Balance Hole & Surface Finish**

Finish: 1500 Polished	Hardness: 75-78
RG: 2.55 (Medium)	Diff: 0.030 (4-6" Flare)
Hook Potential (Scale 1-100): 70 – Medium, 80 – Dry	
Cover Stock: Control Hook Reactive	
Lane Conditions: Medium to Light Oil	

- **BALANCE HOLE** – The weight hole should be used to obtain the desired static weights. Although many people believe static weights don't matter any more, this is not true. The complexity of the flare and axis migration is too much to explain here, but as a general guideline, weight holes placed off the PAP can exaggerate the differential that causes the flare and may make the ball livelier or tamer. Keep in mind, what works great for one bowler, may be terrible for another.
- **SKIDDING TOO LONG & NOT FINISHING** – dull the surface with sandpaper, abralon, or scotchbrite to the desired grit. Since the ball comes from the factory with 1500 grit polished, first try using 1000 grit abralon or equivalent as this will result in earlier grab and more overall hook. Try it in small steps because it may not take much change to see a big difference – keep in mind that going too dull may cause the ball to roll too soon and lose energy on the backend, resulting in less backend reaction.
- **HOOKING TOO EARLY & NOT ENOUGH SNAP** – polish this ball to the desired finish using a polishing machine or polishing compound (recommended). Start by using a 2000 grit abralon pad or equivalent as this will give you more length and more snap. If the ball does not produce the needed length, add a small amount of polish to increase the skid, as this may result in not enough finish if the backend has experienced carry-down. Again, do this in moderation because it may not take much to see the difference – keep in mind that too high of a gloss may cause the ball to go too long and not get into a roll soon enough.

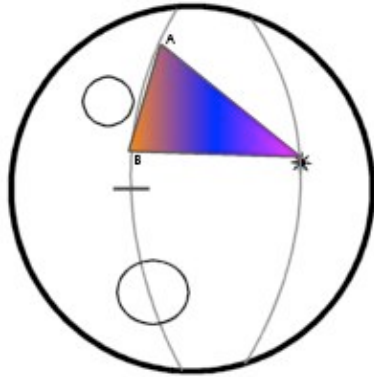


BANGER BOWLING

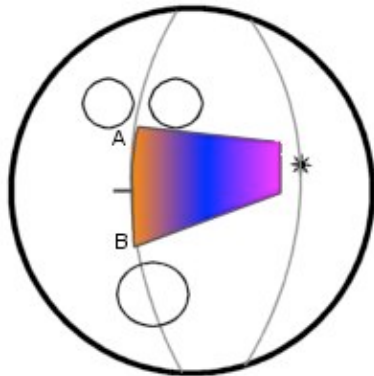
P.O. Box 2406 Sparks, NV 89432
Toll Free: 1-800-982-9188 Local: 775-356-9111
Website: www.bangerbowling.com

Hole Pounder Pearl General Drilling Instructions

Below you will find a general guide for deciding what type of reaction you are looking for along with more descriptive layouts that are more relative to the ball's potential.

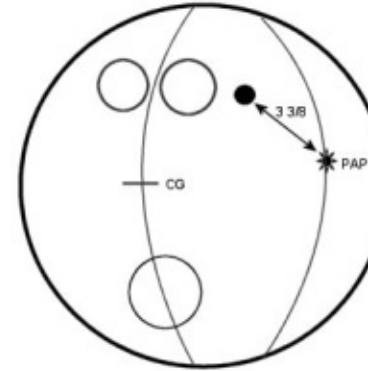


- Decide what type of reaction you are looking for and place the PIN in the appropriate location. This is a big percentage of how the ball reacts.
- **A** – Higher over the fingers adds length – keep in mind that if placed too high for certain individuals the ball may skid too long.
- **B** – Lower towards center of grip for earlier roll – keep in mind that if placed too low for certain individuals the ball may flare over the finger holes.



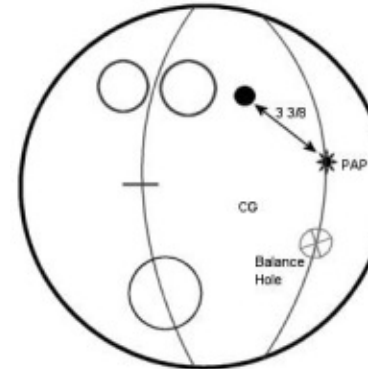
- Once you have decided on the PIN location, then you can adjust the ball reaction further by changing the CG location.
- **Strong ARC** – place the CG near the midline
- **STACKED** – place directly below the pin – may not be good for extreme wet/dry conditions depending on the player.
- **CONTROL** (heavy roll) – kick the CG to the right of the centerline, this makes the ball roll sooner. It will produce a mid-lane read with a controlled backend reaction. This layout may produce an early hook and set reaction on some conditions.

Hole Pounder Pearl Suggested Drilling Instructions



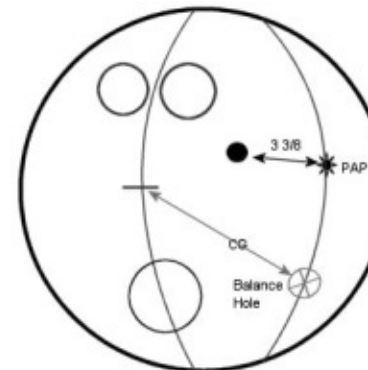
LABEL LEVERAGE (3 3/8) (the suggested layout when the bowler's PAP is not known)

- Reaction: Medium Hook and Arc Backend.
- Lane Condition: Medium to Light Oil – Good for bowler's with slower ball speeds and lower rev rates.



STACKED LEVERAGE (3 3/8)

- Reaction: Maximum Hook and Strong Backend.
- Lane Condition: Medium to Light Oil – Good for bowler's looking to open up the lane, lower to medium speeds and rev rates.



REV LEVERAGE (3 3/8)

- Reaction: Large Hook and Controlled Backend.
- Lane Condition: Medium or Medium Oil with Carry-down – Good for bowler's with faster ball speeds and higher rev rates.